WHAT IS CLAIMED IS:

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1. A communication control method of controlling packet communication between a transmitting communication apparatus and a receiving communication apparatus, said method comprising the steps of:

transmitting to the receiving communication apparatus from the transmitting communication apparatus a plurality of packets in a consecutive manner; and

when packets of the plurality of packets transmitted from the transmitting communication apparatus to the receiving communication apparatus are consecutively lost, reporting to the transmitting communication apparatus from the receiving communication apparatus the number of the consecutively lost packets.

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- 2. The communication control method as claimed in claim 1, further comprising the step of:
- 25 retransmitting to the receiving communication apparatus from the transmitting communication apparatus the lost packets in a consecutive manner.

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3. The communication control method as claimed in claim 1, further comprising the step of:

determining that the receiving communication apparatus has not received the consecutively lost packets based on the report of the number of the consecutively lost packets.

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4. The communication control method as claimed 10 in claim 1, further comprising the step of:

retransmitting to the receiving communication apparatus from the transmitting communication apparatus the consecutively lost packets in a consecutive manner based on the report of the number of the consecutively lost packets.

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5. The communication control method as claimed in claim 1, wherein the step of reporting further reports order information of a first packet of the consecutively lost packets.

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6. The communication control method as claimed in claim 5, further comprising the step of:

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determining that the receiving communication apparatus has not received the consecutively lost packets based on the order information and the number of the consecutively lost packets.

7. The communication control method as claimed in claim 5, further comprising the step of:

retransmitting to the receiving communication apparatus from the transmitting communication apparatus the consecutively lost packets in a consecutive manner based on the order information and the number of the consecutively lost packets.

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8. The communication control method as claimed in claim 1, further comprising the step of:

reporting to the transmitting communication apparatus from the receiving communication apparatus a free area in a receiving buffer, and

wherein the step of transmitting a plurality of packets transmits in a consecutive manner a plurality of packets that can be stored in the receiving buffer.

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The communication control method as claimed in claim 1, wherein the packet communication uses window
 control of the TCP protocol.

10. A communication control method of controlling packet communication between a transmitting communication apparatus and a receiving communication apparatus, said method comprising the steps of:

transmitting to the receiving communication apparatus from the transmitting communication apparatus a plurality of packets in a consecutive manner; and

when packets of the plurality of packets

transmitted from the transmitting communication apparatus
to the receiving communication apparatus are consecutively
lost, retransmitting to the receiving communication
apparatus from the transmitting communication apparatus
the consecutively lost packets in a consecutive manner.

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11. The communication control method as claimed 20 in claim 10, further comprising the steps of:

reporting to the transmitting communication apparatus from the receiving communication apparatus a free area in a receiving buffer,

wherein the step of transmitting a plurality of packets transmits in a consecutive manner a plurality of packets that can be stored in the receiving buffer.

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12. The communication control method as claimed in claim 10, wherein the packet communication uses window control of the TCP protocol.

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13. A communication system, comprising:

a receiving communication apparatus including a packet lost reporting part; and

a transmitting communication apparatus including 10 a packet transmitter,

wherein said packet transmitter transmits to said receiving communication apparatus a plurality of packets in a consecutive manner, and

wherein said packet lost reporting part reports to said transmitting communication apparatus, when packets of the plurality of packets transmitted to the receiving communication apparatus are consecutively lost, the number of the consecutively lost packets.

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14. The communication system as claimed in claim 13,

wherein the transmitting communication apparatus further includes a packet retransmitter, and

wherein said packet retransmitter retransmits to the receiving communication apparatus the consecutively lost packets in a consecutive manner.

15. The communication system as claimed in claim 13, wherein the transmitting communication apparatus determines that the receiving communication apparatus has not received the consecutively lost packets based on the report of the number of the consecutively lost packets.

16. The communication system as claimed in claim 13,

wherein the transmitting communication apparatus further includes a packet retransmitter, and

wherein said packet retransmitter retransmits to the receiving communication apparatus the consecutively lost packets in a consecutive manner based on the report of the number of the consecutively lost packets.

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- 17. The communication control method as claimed in claim 13, wherein the packet lost reporting part further reports order information of a first packet of the consecutively lost packets.
- 18. The communication system as claimed in claim
 17, wherein the transmitting communication apparatus
 determines that the receiving communication apparatus has
 not received the consecutively lost packets based on the

order information and the number of the consecutively lost packets.

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19. The communication system as claimed in claim17,

wherein the transmitting communication apparatus

10 further includes a packet retransmitter, and

wherein said packet retransmitter retransmits to the receiving communication apparatus the consecutively lost packets in a consecutive manner based on the order information and the number of the consecutively lost packets.

20 20. The communication system as claimed in claim 13,

wherein the receiving communication apparatus reports to the transmitting communication apparatus a free area in a receiving buffer, and

wherein the packet transmitter transmits in a consecutive manner a plurality of packets that can be stored in the receiving buffer.

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21. The communication system as claimed in claim 13, wherein the transmitting communication apparatus and

the receiving communication apparatus perform packet communication using window control of the TCP protocol.

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22. A communication system, comprising:

a receiving communication apparatus; and

a transmitting communication apparatus including

10 a packet transmitter and a packet retransmitter,

wherein said packet transmitter transmits to the receiving communication apparatus a plurality of packets in a consecutive manner, and

wherein said packet retransmitter retransmits to

15 the receiving communication apparatus, when packets of the
plurality of packets transmitted to the receiving
communication apparatus are consecutively lost, the
consecutively lost packets in a consecutive manner.

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- 23. The communication system as claimed in claim 22,
- wherein the receiving communication apparatus reports to the transmitting communication apparatus a free area in a receiving buffer, and

wherein the packet transmitter transmits in a consecutive manner a plurality of packets that can be stored in the receiving buffer.

24. The communication system as claimed in claim 22, wherein the transmitting communication apparatus and the receiving communication apparatus perform packet communication using window control of the TCP protocol.

- 25. A communication apparatus for receiving packets transmitted from a transmitting communication apparatus and reporting information to the transmitting communication apparatus, said communication apparatus comprising:
- a packet lost reporting part that reports to the transmitting communication apparatus, when packets transmitted from the transmitting communication apparatus are consecutively lost, the number of the consecutively lost packets.

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26. The communication apparatus as claimed in claim 25, wherein the packet lost reporting part further reports order information of a first packet of the consecutively lost packets.

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claim 25, further comprising:

a free area reporting part that reports to the transmitting communication apparatus a free area in a receiving buffer.

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28. The communication apparatus as claimed in claim 25, wherein the communication apparatus performs packet communication using window control of the TCP protocol.

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29. A communication apparatus for transmitting packets to a receiving communication apparatus and receiving information from the receiving communication apparatus, said communication apparatus comprising:

a packet transmitter that transmits a plurality of packets to the receiving communication apparatus in a consecutive manner; and

a packet retransmitter that retransmits to the
receiving communication apparatus in a consecutive manner,
when packets transmitted to the receiving communication
apparatus are consecutively lost, the consecutively lost
packets based on order information of a first packet of
the lost packets and the number of the lost packets.

30. The communication apparatus as claimed in claim 29, wherein the packet transmitter transmits in a consecutive manner a plurality of packets that can be stored in a receiving buffer of the receiving communication apparatus.

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31. The communication apparatus as claimed in claim 29, wherein the communication apparatus performs packet communication using window control of the TCP protocol.